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CENTRAL FAX CENTER**JUL 27 2007****FAX TRANSMISSION****DATE:** July 27, 2007**PTO IDENTIFIER:** Application Number 09/837,669-Conf. #9894
Patent Number 7,017,160**Inventor:** Paul A. Martin et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** OSHA · LIANG LLP

Robert P. Lord

PHONE: (713) 228-8600**Attorney Dkt #:** 33226/960001; P4665US-CIP-0**PAGES (Including Cover Sheet):** 22**CONTENTS:** Transmittal (1 page)
Transmittal Letter (2 pages)
Revocation and Substitute under 37 CFR §1.36 with attached Appendix A (17 pages)
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<h1>TRANSMITTAL FORM</h1> <p><i>(to be used for all correspondence after initial filing)</i></p>		Application Number	Patent#: 7,017,160
		Filing Date	Issued: March 21, 2006
		First Named Inventor	Paul A. Martin
		Art Unit	2195
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	21	Attorney Docket Number	33228/960001; P4665US-CIP-0

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.62 or 1.63	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Transmittal Letter (2 pages) Certificate of Transmission (1 page)
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	OSHA - LIANG LLP		
Signature			
Printed name	Robert P. Lord		
Date	July 27, 2007	Reg. No.	46,479

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Docket No.: 33226/960001; P4665US-CIP-0
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Paul A. Martin et al.

Patent No.: 7,017,160

Issued: March 21, 2006

For: CONCURRENT SHARED OBJECT
IMPLEMENTED USING A LINKED-LIST
WITH AMORTIZED NODE ALLOCATION

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent:

1. Transmittal (1 page);
2. Revocation and Substitute under 37 CFR §1.36 with attached Appendix A (17 pages); and
3. Certificate of Transmission (1 page).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in

Application No.: 09/837,669

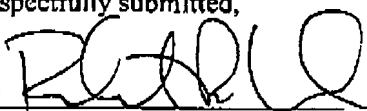
Docket No.: 33226/960001; P4665US-CIP-0

this application by this firm) to our Deposit Account No. 50-0591, under Order No. 33226/960001; P4665US-CIP-0.

Dated: July 27, 2007

Respectfully submitted,

By



Robert P. Lord
Registration No.: 46,479
OSHA · LIANG LLP
1221 McKinney St., Suite 2800
Houston, Texas 77010
(713) 228-8600

JUL 27 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Applicant and Assignee: SUN MICROSYSTEMS, INC.
Address of Applicant and Assignee: 4150 Network Circle
Santa Clara, CA 95054

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36

Dear Sir:

Pursuant to 37 C.F.R. §1.36, Sun Microsystems, Inc., the applicant and assignee of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

Robert P. Lord
OSHA • LIANG LLP
1221 McKinney Street, Suite 2800
Houston, Texas 77010
Telephone No.: (713) 228-8600
Facsimile No.: (713) 228-8778

Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the sixteen patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

Dec. 20, 2006

Name:

Joseph A. Twarowski

Title:

Assistant General Counsel
Sun Microsystems, Inc.

197121_1

JUL 27 2007

APPENDIX A

- 1. Patent Application/Serial No.: 10/799,049**
Title: GARBAGE-FIRST GARBAGE COLLECTION
Filed: 3/12/2004
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 015079/0946
Reference No: 33226/940001; SUN040074
- 2. Patent Application/Serial No.: 10/394,813**
Title: ELISION OF WRITE BARRIERS FOR STORES WHOES VALUES ARE IN CLOSE PROXIMITY
Filed: 3/21/2003
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 013905/0661
Reference No: 33227/023001; P7479
- 3. Patent Application/Serial No.: 09/551,113**
Title: CONCURRENT SHARED OBJECT IMPLEMENTED USING A LINKED-LIST WITH AMORTIZED NODE ALLOCATION
Filed: 4/18/2000
Applicant: Sun Microsystems, Inc.
Reference No: 33226/960000; P4665

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4. **Patent Application/Serial No.:** 10/664,799
Title: BLINDED ENCRYPTION AND DECRYPTION
Filed: 9/18/2003
Applicant: Sun Microsystems, Inc.
Reference No: 33227/009001
5. **Patent Application/Serial No.:** 10/313,878
Patent No.: 7,143,124
Title: DECETION OF DEAD REGIONS DURING INCREMENTAL COLLECTION
Filed: 12/6/2002
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 013559/0709
Reference No: 33226/977001; P8275
6. **Patent Application/Serial No.:** 09/547,288
Title: MAINTAINING A DOUBLE-ENDED QUEUE IN A CONTIGUOUS ARRAY WITH CONCURRENT NON-BLOCKING INSERT AND REMOVE OPERATIONS USING A DOUBLE COMPARE-AND-SWP PRIMITIVE
Filed: 4/11/2000
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 010712/0617
Reference No: 33226/959002; P4663

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7. **Patent Application/Serial No.:** 10/861,704
Title: THREAD SUSPENSION SYSTEM AND METHOD
Filed: 6/4/2004
Applicant: Sun Microsystems, Inc.
Reference No: 33226/955002; P2927 C
8. **Patent Application/Serial No.:** 09/454,427
Title: DYNAMIC EMBEDDING OF LITERAL OBJECT DATA IN SUPPLIED INSTANCE OF INFORMATION OBJECT
Filed: 12/3/1999
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 010448/0577
Reference No: 33226/956001; P3916
9. **Patent Application/Serial No.:** 11/099,720
Title: SEQUENTIALLY PERFORMED COMPARE-AND-SWAP
Filed: 4/6/2005
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 016661/0899
Reference No: 33226/962002; P4667-US-DIV-1

JUL 27 2007

10. Patent Application/Serial No.: 09/710,218

Patent No.: 7,117,502

**Title: LINKED-LIST IMPLEMENTATION OF
DATA STRUCTURE WITH
CONCURRENT NON-BLOCKING
INSERT AND REMOVE OPERATIONS**

Filed: 11/10/2000

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011305/0889

Reference No: 33226/963001; P4896

11. Patent Application/Serial No.: 10/996,508

**Title: WORK-STEALING QUEUES FOR
PARALLEL GARBAGE COLLECTION**

Filed: 11/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011270/0285

Reference No: 33226/964002; P4946C1

12. Patent Application/Serial No.: 60/204,184

**Title: PARALLEL GARBAGE COLLECTION
FOR SHARED MEMORY
MULTIPROCESSORS**

Filed: 5/15/2000

Applicant: Sun Microsystems, Inc.

Reference No: 33226/964000; P4948

JUL 27 2007

13. Patent Application/Serial No.: 09/697,729

Patent No.: 6,823,351

**Title: WORK-STEALING QUEUES FOR
PARALLEL GARBAGE COLLECTION**

Filed: 10/26/2000

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011270/0285

Reference No: 33226/964001; P4946

14. Patent Application/Serial No.: 09/893,256

Patent No.: 7,103,887

**Title: LOAD-BALANCING QUEUES
EMPLOYING LIFO/FIFO WORK
STEALING**

Filed: 6/27/2001

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011943/0085

Reference No: 33226/966001; P5388

15. Patent Application/Serial No.: 10/166,874

**Title: PREFETCHING TECHNIQUES FOR
NETWORK INTERFACES**

Filed: 6/11/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013001/0641

Reference No: 33226/967001; P7322

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16. Patent Application/Serial No.: 10/679,183

Title: DEFERRING AND COMBINING
WRITE BARRIERS FOR A GARBAGE-
COLLECTED HEAP

Filed: 10/3/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 014590/0742

Reference No: 33226/971001; P7863

17. Patent Application/Serial No.: 10/653,828

Title: SHARED SYNCHRONIZED SKIP-LIST
DATA STRUCTURE AND
TECHNIQUE EMPLOYING
LINEARIZABLE OPERATIONS

Filed: 9/3/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 014483/0341

Reference No: 33226/972001; P7982

18. Patent Application/Serial No.: 10/991,148

Title: USE OF MEMORY PROTECTION TO
IMPLEMENT REPLICATING
COLLECTION IN A INCREMENTAL,
COPYING GARBAGE COLLECTOR

Filed: 11/17/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016007/0616

Reference No: 33226/974001; P8226

19. Patent Application/Serial No.: 10/881,101

Title: USING CLASS PROPERTIES TO
DEGREGATE OBJECTS IN A
GENERATION MANAGED BY THE
TRAIN ALGORITHM

Filed: 6/30/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015539/0072

Reference No: 33226/975001; P8231

20. Patent Application/Serial No.: 11/021,287

Title: METHOD AND APPARATUS FOR
FORWARDING REFERENCES TO
OBJECTS CONCURRENTLY WITH
SPACE-INCREMENTAL GARBAGE
COLLECTION

Filed: 12/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015627/0335

Reference No: 33226/976001; P8274

21. Patent Application/Serial No.: 10/313,878

Patent No.: 7,143,124

Title: DETECTION OF DEAD REGIONS
DURING INCREMENTAL
COLLECTION

Filed: 12/6/2002

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013559/0709

Reference No: 33226/977001; P8275

JUL 27 2007

22. Patent Application/Serial No.: 10/930,483

Title: IMPROVED SCANNING OF
EVACUATED OBJECTS IN A
GENERATION MANAGED BY THE
TRAIN ALGORITHM

Filed: 8/31/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015782/0538

Reference No: 33226/978001; P8276

23. Patent Application/Serial No.: 10/391,405

Title: PARALLEL CACHING OF
INSERTIONS INTO REMEMBERED
SETS

Filed: 3/18/2003

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 013890/0128

Reference No: 33226/979001; P8303

24. Patent Application/Serial No.: 11/131,827

Title: METHOD AND APPARATUS FOR
CONCURRENTLY PROCESSING
REMEMBERED SETS IN A SPACE-
INCREMENTAL GARBAGE
COLLECTOR

Filed: 5/18/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016366/0209

Reference No: 33226/981001; P8317

25. Patent Application/Serial No.: 10/309,503
Patent No.: 7,136,887
Title: METHOD AND MECHANISM FOR
FINDING REFERENCES IN A CARD
IN TIME LINEAR IN THE SIZE OF
THE CARD IN A GARBAGE-
COLLECTED HEAP
Filed: 12/4/2002
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 013550/0405
Reference No: 33226/982001; P8318
26. Patent Application/Serial No.: 10/799,186
Title: EXPLOITING POPULAR OBJECTS TO
REDUCE MUTATOR OVERHEAD
Filed: 3/12/2004
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 015091/0736
Reference No: 33226/984001; SUN040081
27. Patent Application/Serial No.: 10/986,527
Title: EXPLOITING POPULAR OBJECTS TO
REDUCE MUTATOR OVERHEAD
Filed: 11/11/2004
Applicant: Sun Microsystems, Inc.
Reel/Frame No.: 015983/0321
Reference No: 33226/984002; SUN040081

JUL 27 2007

28. Patent Application/Serial No.: 10/799,187

Title: CONCURRENT-MARKING-
INITIATION HEURISTIC

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015095/0376

Reference No: 33226/983001; SUN040079

29. Patent Application/Serial No.: 10/986,401

Title: CONCURRENT-MARKING-
INITIATION HEURISTIC

Filed: 11/11/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016020/0320

Reference No: 33226/983002; SUN040079-CIP

30. Patent Application/Serial No.: 11/090,398

Title: METHOD AND APPARATUS FOR
SWITCHING BETWEEN PER-THREAD
AND PER-PROCESSOR RESOURCE
POOLS IN MULTI-THREADED
PROGRAMS

Filed: 3/25/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016300/0319

Reference No: 33226/987001; SUN040951

31. Patent Application/Serial No.: 11/215,510

Title: METHOD AND APPARATUS FOR
SELECTIVELY ELIMINATING WRITE
BARRIERS IN SNAPSHOT-AT-THE-
BEGINNING CONCURRENT-
MARKING GARBAGE COLLECTORS

Filed: 8/30/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0156

Reference No: 33226/989001; SUN041094

32. Patent Application/Serial No.: 11/128,791

Title: METHOD AND APPARATUS FOR
REDUCING REMEMBERED SET
OVERHEAD IN A GENERATIONAL
GARBAGE COLLECTOR BY
CONSTRAINING COLLECTION SET
CHOICE

Filed: 5/13/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016336/0241

Reference No: 33226/990001; SUN041424

33. Patent Application/Serial No.: 11/021,260

Title: METHOD AND APPARATUS FOR
ISOLATING SELECTED HEAP
OBJECTS USING A FAULTING
ADDRESS TRAP

Filed: 12/23/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015627/0286

Reference No: 33226/991001; SUN041505

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34. Patent Application/Serial No.: 11/091,611

Title: METHOD AND APPARATUS FOR
IMPROVING PARALLEL MARKING
GARBAGE COLLECTORS THAT USE
EXTERNAL BITMAPS

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0276

Reference No: 33226/992001; SUN050023

35. Patent Application/Serial No.: 11/091,032

Title: METHOD AND APPARATUS FOR
RECORDING MODIFIED REFERENCE
LOCATIONS IN GARBAGE-
COLLECTED HEAP MEMORY

Filed: 3/28/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016082/0191

Reference No: 33226/993001; SUN050025

36. Patent Application/Serial No.: 11/218,145

Title: METHOD AND APPARATUS FOR
DYNAMICALLY PRE-TENURING
OBJECTS IN A GENERATIONAL
GARBAGE COLLECTION SYSTEM

Filed: 9/1/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016542/0121

Reference No: 33226/994001; SUN050202

**RECEIVED
CENTRAL FAX CENTER****JUL 27 2007****37. Patent Application/Serial No.: 11/218,179****Title:** METHOD AND APPARATUS FOR
BYTE ALLOCATION ACCOUNTING
IN A SYSTEM HAVING A MULTI-
THREADED APPLICATION AND A
GENERATIONAL GARBAGE
COLLECTOR THAT DYNAMICALLY
PRE-TENURES OBJECTS**Filed:** 9/1/2005**Applicant:** Sun Microsystems, Inc.**Reel/Frame No.:** 016542/0109**Reference No:** 33226/995001; SUN050203**38. Patent Application/Serial No.: 11/474,599****Title:** APPARATUS AND METHOD FOR
COORDINATED VIEWS OF
CLUSTERED DATA**Filed:** 6/26/2006**Applicant:** Sun Microsystems, Inc.**Reel/Frame No.:** 017917/0010**Reference No:** 33226/996001; SUN050482**39. Patent Application/Serial No.: 11/477,021****Title:** METHOD AND APPARATUS FOR
SEARCHING AND RESOURCE
DISCOVERY IN A DISTRIBUTED
ENTERPRISE SYSTEM**Filed:** 6/28/2006**Applicant:** Sun Microsystems, Inc.**Reference No:** 33226/997001; SUN050600

40. Patent Application/Serial No.: 11/413,641

Title: METHOD AND APPARATUS FOR
BROWSING SEARCH RESULTS VIA A
VIRTUAL FILE SYSTEM

Filed: 4/28/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 017754/0711

Reference No: 33226/998001; SUN050633

41. Patent Application/Serial No.: 11/182,539

Title: METHOD AND APPARATUS FOR
GENERATING MEDIA PLAYLISTS BY
DEFINING PATHS THROUGH MEDIA
SIMILARITY SPACE

Filed: 7/15/2005

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 016366/0563

Reference No: 33226/999001; SUN050732

42. Patent Application/Serial No.: 10/800,363

Title: MIXING COPYING COLLECTION
AND CONCURRENT MARKING

Filed: 3/12/2004

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 015983/0314

Reference No: 33226/938000; SUN040073

43. Patent Application/Serial No.: 09/837,669

Patent No.: 7,017,160

Title: CONCURRENT SHARED OBJECT
IMPLEMENTED USING A LINKED-
LIST WITH AMORTIZED NODE
ALLOCATION

Filed: 4/18/2001

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 011734/0644

Reference No: 33226/960001; P4665-CIP-0

44. Patent Application/Serial No.: 11/384,627

Title: CONCURRENCY TECHNIQUE FOR
SHARED OBJECTS

Filed: 3/20/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33226/960002; P4665US-CON-0

PTO/SB/97 (09-04)

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Application No. (if known): 09/837,669

Attorney Docket No.: 33226/960001; P4665US-CIP-0

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on July 27, 2007
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Signature

Jaime M. Malley

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(713) 228-8600

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Transmittal (1 page)

Transmittal Letter (2 pages)

Revocation and Substitute under 37 CFR §1.36 with attached Appendix A (17 pages)